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EOS Z-Series Mini-Z

EXTERNAL POWER ADAPTERS

Single Output 25W, 30W, 36W, 40W, 45W, 55W,and 65W universal AC-DC power supplies

Big power in a small package.

Packing nearly 8 watts per cubic inch, the EOS "Mini-Z" Series of single output power adapters has set a new industry standard for size and efficiency in its power range. In fact, nothing in its class comes close. It's all thanks to the innovative application of EOS technology, designed to give you more power in a small package. That means competitive advantage and enhanced value for you and your customers.

The EOS "Mini-Z" family of power adapters comes in choices from 25W up to 65W, and in footprints the size of a small cellular phone. Weighing just 7 ounces, the EOS "Mini-Z" adapters measure a mere 4.23" x 1.73" x 1.12", making even the closest competition seem like a brick.

With full worldwide safety standards and a CE mark, the EOS "Mini-Z" Series is the power adapter of choice for demanding applications such as mobile and laptop computers, point of sale terminals, thermal printers, data networking, telecommunications, medical, bar code readers, Internet servers and a host of industrial products. Millions of EOS AC-DC power adapters are in use worldwide, powering the industry's leading electronics products.

Highest Density
Smallest Size
Most Efficient

FEATURES:

- Very High Efficiency: above 90%
- High Power Density: nearly 8 watts/inch^3
- Ultra Miniature Size: 4.23" x1.73" x 1.12"
- Lightweight: only 7 ounces
- Universal Input: 90-264 VAC
- FCC & CISPR Level "B" EMI filter
- No Minimum Load Required
- Fully Regulated Output
- Over Current Protection (OCP)
- 100% Burn-In
- High MTBF
- Meets Worldwide Safety Standards
- CE marked

APPLICATIONS:

- Mobile & Laptop Computers
- Point of Sale terminals and computers
- Thermal printers
- Bar Code Readers
- Data Networking products
- Telecommunications products
- Internet servers
- Industrial equipment
- Medical equipment

EOS Z-Series
SPECIFICATIONS

Mini-Z

INPUT

AC Input	90 to 135 VAC and 170 to 264 VAC
Efficiency	90% typical, measured at Full load on main and 230 VAC input voltage
Input Frequency	47–63 Hz

OUTPUT

Output Power	25W, 30W, 36W, 40W, 45W, 55W, 65W
DC Output	5V, 9V, 12V, 15V, 18V, 19V, 24V, 48V
Hold-Up Time	10msec at full load, 120VAC/230VAC
Line Regulation	1%, over operating range
Load Regulation standard cord	3%, with minimum load to full load, with
Overload Protection	Yes
Ripple and Noise	400mV peak-peak maximum
Power-Up Initialization Period	4 seconds Max at 120VAC

ENVIRONMENTAL

Operating Temperature	0 to 40°C
Storage Temperature	–40°C to +85°C
Cooling	Convection

EMI AND SAFETY

CE Mark	Full compliance with LVD and EMC directives
Safety Standards	Meets Worldwide Safety Standards; IEC950, EN60950, UL1950, Class2, SELV
AGENCY APPROVALS EMI/RFI	UL, c-UL, VDE, NORDICS, MITI EN55022 Class B, FCC Part 2 &15 Class B, CISPR22 Class B
MTBF	Over 200,000 hours @ 25°C ambient condition

MECHANICAL

Dimensions	See below
Weight	7 ounces, includes DC cord
AC Input Connector	Dual pin, IEC 320 approved C8 type, mates with interchangeable cords for world wide operations.
DC Output Connector	Type E: Right angle, hollow coaxial plug, 0.10" (2.54 mm) inside diameter, 0.21" (5.49 mm) outside diameter. Center positive polarity. OR Type D: 0.08"(2.03) inside diameter, 0.21" (5.48mm) outside diameter. Center positive.
DC Cord Length	40 inches

OUTPUT VOLTAGE/CURRENT RATING CHART

Model Number	Output Voltage	Current max (amp)	Power max	peak
ZVC25SG05E	5.0 VDC	5.00	25W	30W
ZVC30-12-D	12.0 VDC	2.50	30W	35W
ZVC30-15-D	15.0 VDC	2.00	30W	35W
ZVC30-18-D	18.0 VDC	1.66	30W	35W
ZVC30-24-D	24.0 VDC	1.25	30W	35W
ZVC36-18-D	18.0 VDC	2.00	36W	40W
ZVC36-24-D	24.0 VDC	1.50	36W	40W
ZVC40SG09E	9.0 VDC	4.44	40W	45W
ZVC40LT12E	12.0 VDC	3.30	40W	45W
ZVC45LT15E	15.0 VDC	3.00	45W	50W
ZVC45LT19E	19.0 VDC	2.37	45W	50W
ZVC45LT24E	24.0 VDC	1.88	45W	50W
ZVC45SG12E	12.0 VDC	3.75	45W	50W
ZVC55SG15E	15.0 VDC	3.66	55W	60W
ZVC65SG19E	19.0 VDC	3.15	65W	70W
ZVC65SG24E	24.0 VDC	2.70	65W	70W
ZVC65SG48E	48.0 VDC	1.35	65W	70W

EOS™
Highest Density
Smallest Size
Most Efficient

Consult your local representative below or the factory for custom requirements or modifications to standard products. Specifications are subject to change without notice.